Biogeosciences

Discussions

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Interactive comment on "Soil Greenhouse Gas Emissions under Different Land-Use Types in Savanna Ecosystems of Kenya" *by* Sheila Wachiye et al.

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Authors Response: Two reviewers have reviewed the manuscript and an additional comment was made in the open discussion. Before, responding to each reviewer and comment individually, we would like to thank for the constructive comments and informative feedback.

The document is structured as follows: each of the short comments (indicated by SC) is first repeated followed by our response (indicated as AC). Where relevant we either include a rephrased sentence already or explain how we intend to implement suggested changes.

Short comments Cornelius Oertel cornelius.oertel@thuenen.de Received and published: 19 November 2019 I want to suggest some changes for that publication: SC: N2O fluxes are sometimes given in μg N2O-N m-2 h-1 (e.g. l. 295 or 420) and in some graphics, they are given in N2O (μg m-2 h-1) (e.g. figure 4 or figure 5). This is the same for CO2. Units should be used consistently so that you can compare the fluxes. AC: We thank Mr. Oertel for pointing this out and have made the necessary correction. CO2 (mg m-2 h-1) N2O (μg m-2 h-1) and CH4 (mg m-2 h-1).

SC: l. 171: Height a.s.l. is only given for the cropland site and should be given as well for the other sites. AC: This will be done in the revised manuscript. Cropland is at 1070 m a.s.l, bushland at 1076 m a.s.l, grazing land at 970 m a.s.l, and conservation land at 928 m a.s.l.

Interactive comment on Biogeosciences Discuss., https://doi.org/10.5194/bg-2019-407, 2019.